Date	Time	Filename	Setting	Result	Description	Notable Field Observations
5/24/2016	9:57	477	Vis/Auto/HSM	Non Detect	Vent hood on top of "work tank"/tank 4, containing creosote	
5/24/2016	10:13	478	Vis/Auto/HSM	Non Detect	Emisson stack from Carbon Adsorption Unit	
5/24/2016	10:18	479		Error	Error Video	
5/24/2016	10:20	480	Auto/HSM	Non Detect	Emisson stack from Carbon Adsorption Unit	Retort 81 and 83 (using creosote and 50/50) running and vapors routed to carbon absorpotion unit. Potential dilution of emission stream through mixing of ambient air. Potentially no "break-through" as carbon media was changed approximatly 2 months prior to inspection.
5/24/2016	10:32	481	Vis/Auto/HSM	Positive Detection	View of untreated douglas fir ties	
5/24/2016	10:35	482	Vis/Auto/HSM	Positive Detection	View of 50/50 treated douglas fir ties	Treated ties have been sitting outside for about 1 week
5/24/2016	10:45	483	Vis/Auto/HSM	Positive Detection	View of FP9 treated douglas fir ties	Treated ties have been sitting outside for about 2-3 weeks
5/24/2016	10:50	484	Vis/Auto/HSM	Positive Detection	View of ACZA treated douglas fir ties	Treated ties have been sitting outside for about 1 week. ACZA is a water-bourne treatment solution. According to facility representatives ACZA is carried with ammonia, which could be released and visible in this video.
5/24/2016	10:59	485	Vis/Auto/HSM	Positive Detection	Cross arms treated with penta	Treated ties have been sitting outside for less than 1 week
5/24/2016	12:55	486	Vis/Auto/HSM	Positive Detection	Catch basin below retort 82	Retort 82 contains penta. Dark colored oil and staining present on the gound of the catch basine at time of inspection.
5/24/2016	13:15	487	Vis/Auto/HSM	Positive Detection	Oil/water seperator	Light reflection from water could influence signature seen in HSM.
5/24/2016	13:34	488	Vis/Auto/HSM	Positive Detection	View of vent hood for tank 2, containing 50/50.	Possible heat convection interference from top of tank. Residual chemical present on top of tank hood vent which could contribute to IR vapor signature seen. Placed hand inside void of vent and hood and could feel air movement toward hood at time of inspection.
5/26/2016	11:22	502	Vis/Auto/HSM	Inconclusive	Retort 85 - in the "crack and vac" stage.	Heat and steam present in visible light. Unable to delineate VOCs from steam and heat being released.
5/26/2016	11:29	503	Vis/Auto/HSM	Inconclusive	Retort 85 during active opening of door to remove charge	Heat and steam present in visible light. Unable to delineate VOCs from steam and heat being released.
5/26/2016	11:43	504	Vis/Auto/HSM	Positive Detection	View of creosote treated poles	This charge was pulled out from a retort approximately 3AM on 5/25/26. According to facility representatives, this charge represents the most concentrated treatment of creosote conducted at the plant.
5/26/2016	11:50	505	Vis/HSM	Positive Detection	View of 50/50 treated douglas fir ties	This charge was pulled out of a retort in the morning of 5/26/16
5/26/2016	12:12	506	Vis/Auto/HSM	Positive Detection	View of a freshly pulled charge from retort 85	This charge was treated with FP9. Possible heat convection interference as seen in visible light. Steam was not visible. According to facility representatives this charge shouldn't give off water vapor as the wood is pre-dried from the manufacturer. It was estimated that the wood was somewhere near 180 deg F, which would coorspond to the heat interference seen in HSM.
5/26/2016	12:22	507	Vis/HSM	Inconclusive	View of retort 82 with door cracked	Heat/Steam/VOCs seen escaping from retort but unable to delineate VOCs. According to facility representatives, the vapor system stopped pulling air from the retort approximately 45 mins prior to this video.
5/26/2016	12:27	508	Vis/HSM	Inconclusive	View of retort 82 and charge with active door opening	Wood was treated with FP9. High heat signature in HSM. Steam seen in visible light.
5/26/2016	12:51	509	Vis/HSM	Inconclusive	View of the charge pulled from retort 82.	Video taken within 20 mins of charge being pulled from retort. Heat and steam seen in visible light. Unable to delineat VOCs due to high heat and steam.
5/26/2016	13:07	510	Vis/HSM	Non Detect	View of the stack for the evaporator system	Evaporator was not operating at the time of this video however the outside of the tank was warm to the touch. Suspect water vapor is majority of plume seen as the plume dissipates quickly. According to facility representatives the evaporator was turned off at 6AM on 5/26/16.

Camera Settings	Vis= Visible Light	Auto=Automatic Mode	HSM=High Sensitivity Mode